Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_

**Macromolecules Picture Assignment**

Ms. OK, AP Biology

**Directions:**You and your teammates will find images of the molecules listed below using Google image and/or other websites. Copy and paste the images into the table below. Identify whether the picture is an example of a monomer or polymer and the specific name of the molecule pictured. Identify the type of macromolecule shown in the picture—carbohydrate, lipid, protein, or nucleic acid and explain your choice. Your explanation might include information about the elements present (and their relative amounts), the components / parts of the molecule, and/or the overall shape of the molecule. When you are finished, save your document to the computer, and email the document as an attachment to [ottolike@pwcs.edu](mailto:ottolike@pwcs.edu) .

*Note: You may not use any images from the notes.*

**List of Molecules:** a monosaccharide (in ring form), a monosaccharide (in straight chain form), a disaccharide, a polysaccharide, a glycerol, a fatty acid chain, a phospholipid, a triglyceride (aka fat), an amino acid, a polypeptide, a nucleotide, DNA, RNA

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| --- | --- | --- | --- | --- |
| **Picture** | **Specific Name of Molecule** | **Monomer or Polymer?** | **Type of Macromolecule (Carb, Lipid, Protein, or Nucleic Acid)** | **Explanation for Type of Macromolecule** |
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